

# Integrating Knowledge Centered MAS through Organizational Links

Gustavo Giménez-Lugo, Jaime Simão Sichman and Jomi Fred Hübner  
LTI / EP / USP  
Av. Prof. Luciano Gualberto, 158 tv. 3  
05508-900 São Paulo, SP, Brazil  
Fax: +55 11 3091 5294 - Telephone: +55 11 3091 5397  
{gustavo.lugo,jaime.sichman,jomi.hubner}@poli.usp.br

**Abstract.** This work presents a model in which concepts in ontologies are extended with organizational information to explicitly express the situation in which they were learned and used. It is discussed how autonomous agents are allowed to reason about concept usage and privacy in terms of organizational constructs, paving the way to reason about social roles in open Web communities. A peer-to-peer application following the model is described. We depart from a specific organization model,  $\mathcal{MOISE}^+$ , briefly presented here.